



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4305-045
Job Sheet 166449



Part No: D4305-045

Job Qty: 4 ea

Part Name: Shoulder Harness Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/6/17

Job Tracking No:

Due Date: 10/20/17

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV E SHEET 3 IPP REV:A 17.03.10 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Due Date	Standard		Workcenter/Supplier	
				Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time
100	Purchasing	4 pcs	10/20/17	0.00	0.00	Purchasing	
110	Packaging	4 pcs	10/20/17	0.00	0.00	Packaging2	
120	QC	4 pcs	10/20/17	0.00	0.00	QC6	
130	Packaging	4 pcs	10/20/17	0.00	0.00	Packaging3	
140	QC21-SA	4 Ea	10/20/17	0.00	0.00	QC21	

Part Op 110 - Receive & Inspect for Damage & Mat'l Certs

Descriptions: 120 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock Location:

140 - QC21- Final Inspection - Work Order Release

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	4181-2-211-2396	4	0	0	0



S001850



Shoulder Harness Assembly

Dart Aerospace Ltd.

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA

TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

e.marie

PART NO: D4305-045

Revision:

Operation: Purchasing

Quantity: 4

Change No:

Mfg Date: 10/24/17

Job No: 166449

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
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Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Friday, September 22, 2017 11:26:56 AM

166449

Page 2

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Shoulder Harness Assembly

Start Date: 9/22/2017 **Start Qty:** 1.00 ***1***

Cust Item ID:

Required Date: 9/26/2017 **Req'd Qty:** 1.00 ***1***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID**Tool #****Plan
Code**

**Accept
Qty**

Reject
QtyReject
Number

**Insp.
Stamp**

130

Identify as per dwg & Stock Location:

0.00

130

Packaging

Memo

0.01

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.10

Quality Control

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Friday, September 22, 2017 11:26:55 AM

Parent Item: D4305-045

D4305-045

Parent Item Name: Shoulder Harness Assembly

Start Date: 9/22/2017

Required Date: 9/26/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 17.03.10 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
4181-2-211-2396		Purchased	No			100	Each	0.0000	1	4			
4181-2-211-2396									**				
Shoulder Harness W/ Buckle Assembly													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

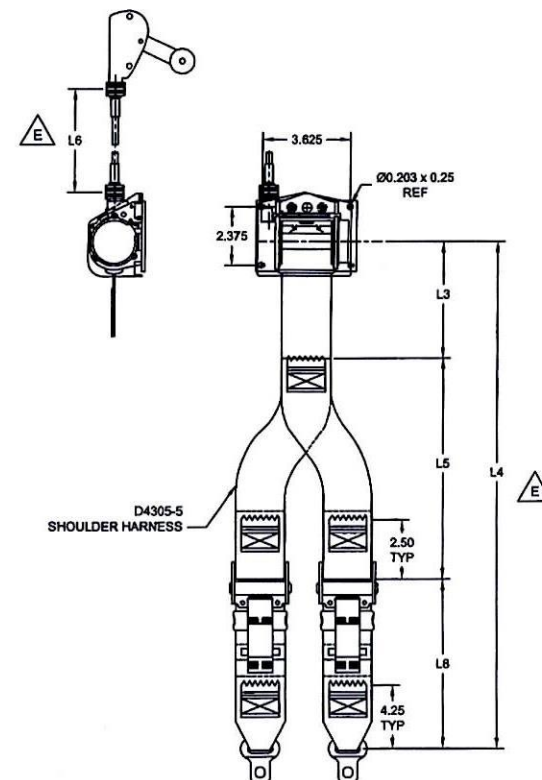
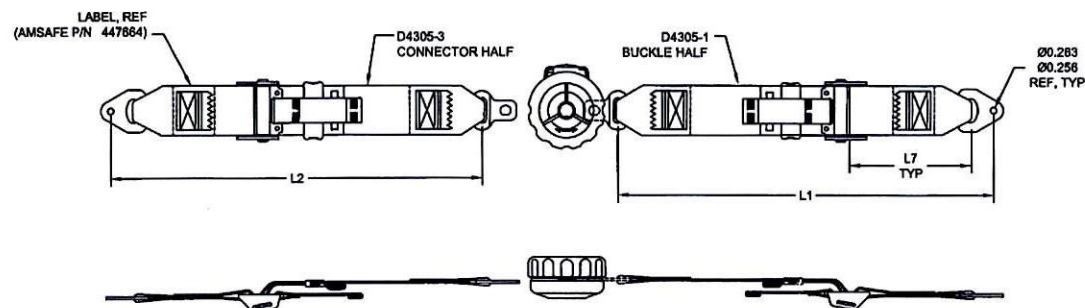
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
☐ Environment	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
☐ Design	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
☐ Doc/Data	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
☐ Equip/Tooling	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
☐ Handling/Pre	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
☐ Material	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
☐ Internal Transport	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
☐ Tribal Knowledge	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
☐ LOA	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
☐ Substation	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
☐ Past Expiry Date	☐ Manufacturing Process	OTHER :					
☐ Misidentified	☐ Past Due						

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
D4305-1	4181-2011912396	BUCKLE HALF	AMSAFE	30.00						5.50	
D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-5	4181-2071912396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	22.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-191-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-191-2396
CUST P/N: D4305-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

D4305-041 SHOULDER HARNESS

RELEASED
2017-03-06
ECN 17-533

E	ADD D4305-045, REF. NCR15-4842, REVISE DIMENSIONS TO BE SIMILAR TO AMSAFE DRAWING	VS	15.07.06
D	ADD D4305-043, REF. PAR12-288	SFM	13.01.21
C	5.50 WAS 4.00, L3 WAS 49.00, L4 WAS 4.00 - 26.00	RP	12.07.03
B	REVERSED ORIENTATION OF ADJUSTER ASSEMBLIES ON D4305-1 AND D4305-3. L1 & L2 WERE 24.00. L4 REDEFINED. L3 WAS L5 AND WAS 18.00. L6 ADDED. L5 WAS L6 AND WAS 30.00. UPDATE AMSAFE PART NUMBERS.	RP	12.05.25
A	NEW ISSUE	RF	10.11.26
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 1 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2016 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

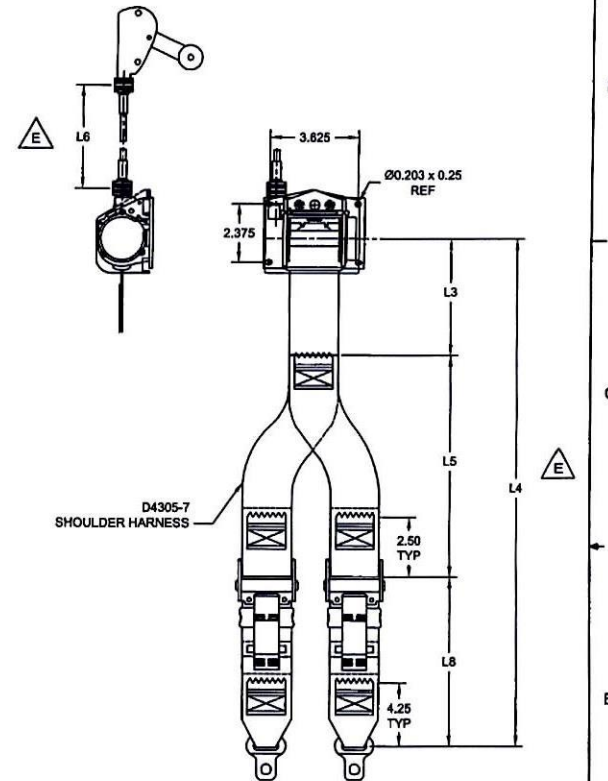
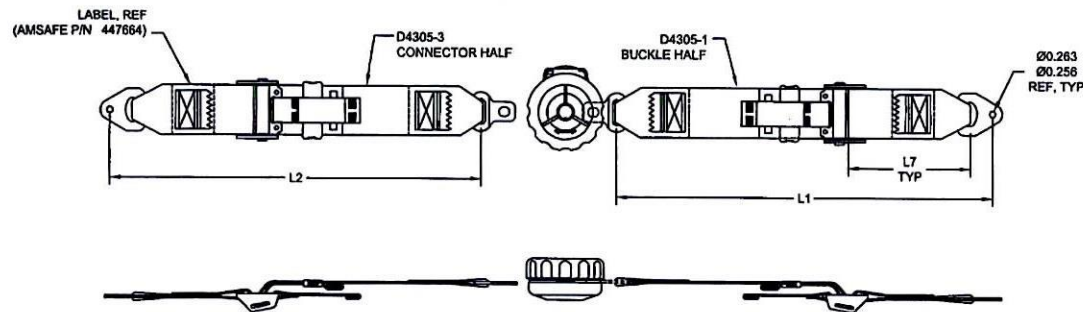
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

SPECIFICATION CONTROL DRAWING

DART P/N	VENDOR P/N	DESCRIPTION	VENDOR	L1	L2	L3	L4	L5	L6	L7	L8
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D4305-7	4181-2072012396	SHOULDER HARNESS	AMSAFE			40.00	103.00	41.00	30.00		4.00-22.00



NOTES:

- 1) PURCHASE: AMSAFE INC. P/N: 4181-2-201-2396
4 POINT SHOULDER HARNESS WITH BUCKLE ASSEMBLY
MEETS REQUIREMENTS OF TSO-C114
CHROME HARDWARE PLATING AND BLACK WEBBING
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607
TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N. 4181-2-201-2396
CUST P/N: D4305-043
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114

7) WEIGHT: 3.4 lbs

D4305-043 SHOULDER HARNESS

RELEASED
2017-03-06

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 2 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2016 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

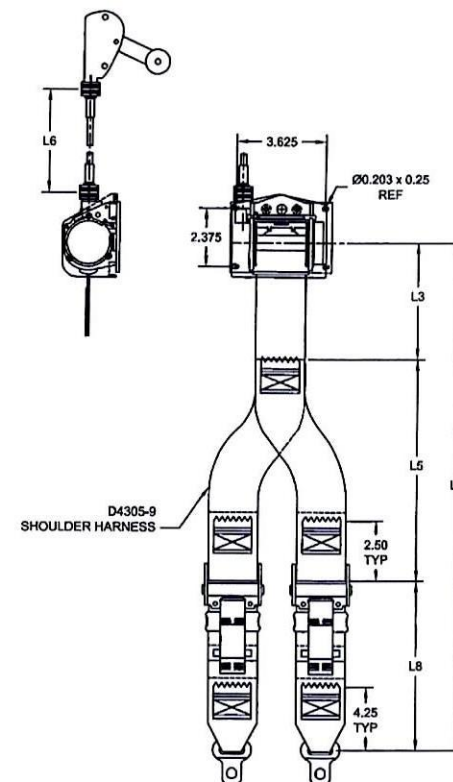
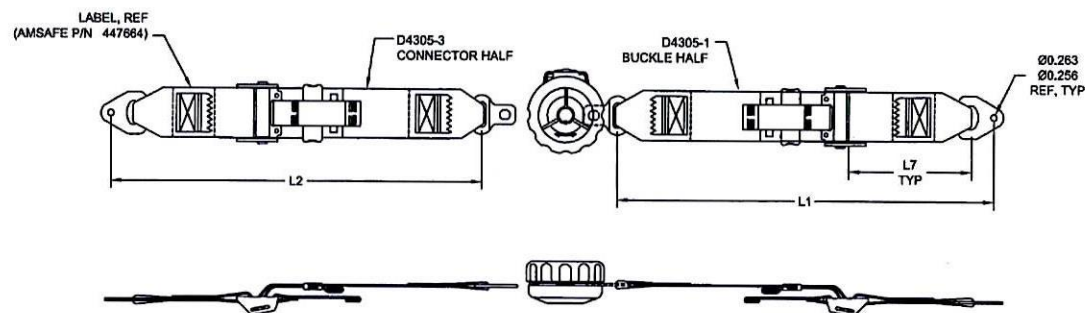
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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D4305-3	4181-2031912396	CONNECTOR HALF	AMSAFE		30.00					5.50	
D4305-9	4181-2072112396	SHOULDER HARNESS	AMSAFE			40.00	84.00	18.00	30.00		4.00-27.00



NOTES:

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RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 3.4 lbs

D4305-045 SHOULDER HARNESS

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. E
MFG. APPR.	LL	DSC-D4305	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	SHOULDER HARNESS	NTS
DATE	15.07.06	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

RELEASED
2017-03-06

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO037976

Supplier: AMS002-VU
Amsafe Inc.
1043 North 47th Avenue
Phoenix, AZ 85043 USA
Phone: 602 850 2850
Fax: 602-278-3479

PO No: PO037976
PO Date: 10/6/17
Due Date: 10/6/17
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: PO37846

Items

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	4181-2-211-2396				Shoulder Harness W/ Buckle Assembly receive pcs		Firmed	10/6/17	4 Ea	0 Ea 4x	4 Ea	\$817.06/Ea	\$3,268.24

Line Item Note B166449

Grand Total: \$3,268.24

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/6/17 1:47 PM Dart.Baker.Diane

SPA 10-24

AmSafe

1043 North 47th Avenue
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)278-3479

INVOICE

Please remit to:
AmSafe, Inc.
Lockbox 911928
P.O. Box 31001-1928
Pasadena, CA 91110-1928

*** DUPLICATE ***

Customer No.	Invoice Date	Sales Order Number	Invoice Number	Purchase Order Number	Page No.
10006113	10/16/17	S368183	I471062	PO37846	1

BILL TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

SHIP TO: DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

SOLD TO: DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
Canada

REMARKS:
1517-9324-0

Freight

COLLECT

COMMENTS:

QUALITY CLAUSES:

A004, A005, A012, A016, A017, A026, A040,
A041, A042, A043

DART HOLDS STC CERTIFICATE AN IS ALLOWED TO PURCHASE NON PMA PARTS

TERMS NET30	ORDER DATE 09/25/17	SALESPERSON BLEAKE	SHIP DATE 10/16/17	SHIP VIA FedEx Intl Economy TRACKING # 620394506150	FOB POINT ORIGIN				
LINE NO.	ITEM	DESCRIPTION	UM	QUANTITY LOT	BACK ORD.	SHIPPED	T A X	UNIT PRICE	EXTENDED AMOUNT
1	4181-2-211-2396	DRAWING: 4181 REV: T REST SYS ASSY W/IR	EA	S368183-1	0.0	4.0	N	817.06 USD	3,268.24 USD

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SPR 10-24

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Non-Taxable: 3,268.24 USD

Line Total: 3,268.24 USD

Total Taxable:

The undersigned, export supplier of goods listed in this invoice/document, declares that according to the rule being valid in the European Union, the origin of these goods is the United States of America.

Signature: Jesse Ochoa Date: OCT 18 2017 Phoenix, Arizona, USA

Sales Tax: Total: 3,268.24 USD

AmSafe, Inc. Terms and Conditions of Sale

1 GENERAL

For purposes of these Terms and Conditions of Sale, the term "Agreement" shall mean any agreement arising as a result of Buyer's submission of a Purchase Order for Seller's products (the "Products"), and Seller's acceptance of said order. Any such Agreement or Purchase Order shall be deemed to be incorporated herein and governed by these Terms and Conditions of Sale. Seller's or Buyer's failure to object to any provision contained in any communication from Seller or Buyer shall not be construed as a waiver or modification of these Terms and Conditions of Sale or as an acceptance of any such provision. Acceptance by Buyer of this Sales Order is expressly conditioned on Buyer's assent to the Terms and Conditions of Sale contained herein. Retention by Buyer of any Products delivered by Seller, or payment by Buyer of any invoice rendered hereunder shall be conclusively deemed acceptance of these Terms and Conditions of Sale.

2 ACCEPTANCE

All purchases of Products are subject to issuance of a Purchase Order by Buyer ("Order") and the acceptance of the same by Seller. Orders are accepted subject to when available at the price quoted at the date of acceptance of the Order. Orders will be processed with every effort to meet the required shipping date, but Seller is not obligated to make delivery at any specified date nor liable for damage due to delay in filling the Order. Specified shipping dates are our best estimates but are not guarantees, and Buyer is at liberty to cancel for unreasonable delays, by written notice to Seller, unless the Order is of special processing and stated as non-cancelable.

3 CANCELLATION

Buyer shall provide a ninety (90) day written notice prior to any cancellation, modification, suspension or deferral of any Order to Seller; provided, however, in all events Buyer shall indemnify and hold Seller harmless against any and all losses incurred by Seller as a result of any cancellation, changes, modifications, suspensions or deferrals of the Order.

4 TERMS OF PAYMENT

Payment terms are net thirty (30) days from the date of invoice date subject to Seller's approval of Buyer's credit and the terms and conditions contained herein. If Seller grants credit to Buyer and Buyer defaults in making any payments to Seller under this Agreement, or under any other agreement between the parties, Seller may charge interest at the rate of the lower of eighteen percent (18%) per annum or the maximum amount permitted by law on unpaid accounts after thirty (30) days from the date of invoice. In any action to collect an unpaid account, Buyer will pay all of Seller's costs, including reasonable attorneys' fee. Seller may also defer further shipments under this Agreement and all other agreements between the parties until all payments in default under any agreement between the parties are paid in full and Seller may, at its sole and absolute discretion, cancel the unshipped balance of any Products still required to be shipped under this Agreement or any other agreement between the parties. In addition to the foregoing, if Buyer fails to make any payment to Seller under this Agreement or any other agreement between Buyer and Seller in a timely manner, or if Seller determines that Buyer presents an unreasonable credit risk to Seller, Seller may amend the credit terms granted to Buyer (including, without limitation, requiring payment in full upon delivery) for all future Orders upon written notice to Buyer.

5 UNFORSEEN CONTINGENCIES

Seller shall not be responsible for any loss, delay or non-fulfillment under this Agreement due to war, fire, flood, strike, labor troubles, accident, riot, act of Government authority, act of God, or other contingencies beyond the control of the Parties interfering with production, supply, or source of raw materials affecting Orders.

6 INTELLECTUAL PROPERTY

Any and all intellectual property regarding the Products and their design, modification, and/or improvements are the sole property of Seller and no license or other conveyance is made to Buyer of any Seller intellectual property.

7 ERRORS AND OMISSIONS

Seller and Buyer may correct clerical errors and omissions in any documentation of their own documents. No change shall be made to any document without the prior written consent of the party who generated the document.

8 CHANGES

Seller shall confirm changes requested by Buyer and the effect of those changes on delivery schedule and/or additional cost. Upon written acceptance of changes requested by Buyer, and written acknowledgment of changes to delivery schedule and/or cost, Seller shall proceed.

9 REJECTIONS AND RETURNS, CLAIMS

Claims for errors, deficiencies or imperfections in any Order shipped to Buyer hereunder shall not be considered unless made within thirty (30) days after receipt of the applicable Product by Buyer and failure to do so shall be deemed a waiver by the Buyer with respect thereto. In the event Buyer discovers non-conforming Products, which Buyer properly used for the purpose for which sold, Seller shall, at Seller's sole and exclusive discretion, either repair, replace or credit Buyer for the price of such non-conforming Product upon receipt of same from Buyer; provided, however, Seller shall not be liable for any claims for labor or consequential damages and Products may not be returned except by permission of Seller. These remedies are the exclusive remedies of Buyer. Products will not be accepted for return or credit unless so authorized by Seller. Except for non-conforming Products, any Products returned for credit will be subject to handling charges covering necessary re-inspection and restocking. Claims for shortage must be made in writing within ten (10) days after receipt of the Order subject to this Agreement. Seller accepts no responsibility for breakage, damage or losses occurring after delivery by Seller to carrier, to which all such claims must be referred directly.

10 SHIPPING

All shipping charges for Buyer's order shall be the responsibility of Buyer. Unless instructed on shipping method, placement of values and carrier, Products will be shipped EXW (INCOTERMS 2010) Seller's facility by method and carrier of Seller's choice. Transfer of title and risk of loss shall pass to Buyer upon delivery of Products to the carrier at Seller's facility. No extra charge shall be made for packaging and packing required for domestic shipment. Special packaging or special handling expense shall be added to the invoice unless such charges are included in the price quoted.

11 TAXES

The purchase price set forth above does not include any taxes, which are the sole and exclusive responsibility of, and which shall be paid by, Buyer. The purchase price set forth above shall be subject to increase without notice by the amount of any sales, use or excise tax levied or charged either by the Federal, State, County, City or other Government agency.

12 LIMITED WARRANTY; DISCLAIMER OF WARRANTIES.

a) The workmanship, material, and performance of the Products are warranted to be commensurate with the levels established in the applicable documents or specifications referenced on the Purchase Order and issued by public or private bodies with duly constituted authority and in the absence of specific reference to such documents or specifications to be free of material defects in workmanship and materials. If reported defects in material or workmanship are substantiated by Seller, such parts and materials as are affected will be replaced or repaired by Seller at its discretion. This warranty is limited to defects which arise within three (3) years of the date of delivery, except claims for non-conforming textile materials must be presented to Seller, in writing, within one (1) year of the date of delivery.

b) In no event shall Seller be liable for:

- i) Non-conformity of products due to Buyer's or Buyer's representative's negligence, accident, abuse, improper care or storage, abnormal temperature or moisture conditions;
- ii) Damage to products which have been tampered with or altered by Buyer or Buyer's representative in any way other than by Seller or with Seller's instructions;
- iii) Any specifications provided to Seller by Buyer; or
- iv) Expenses incurred by Buyer in attempting to correct any defects in or non-conformity of Products unless upon Seller's instructions or approval.

c) Seller's liability is expressly limited to the repair or replacement by Seller at Seller's option and cannot be extended to damages, expense, or loss arising from the use of, or inability to use, Seller's Products.

THE WARRANTIES, OBLIGATIONS AND LIABILITIES SET FORTH IN THE AGREEMENT (INCLUDING THESE TERMS AND CONDITIONS OF SALE), AND ALL RIGHTS, CLAIMS AND REMEDIES OF BUYER SET FORTH HEREIN, ARE EXCLUSIVE AND IN SUBSTITUTION FOR, ALL OTHER WARRANTIES, OBLIGATIONS AND LIABILITIES ARISING BY LAW OR OTHERWISE, WITH RESPECT TO ANY NONCONFORMANCE OR DEFECT IN THE PRODUCTS OR SERVICES PROVIDED UNDER ANY PURCHASE ORDER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE; ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY ARISING FROM THE NEGLIGENCE OF SELLER OR ANY MANUFACTURER OF AIRCRAFT INCORPORATING THE PRODUCTS; AND ANY OBLIGATION, LIABILITY, RIGHT, CLAIM OR REMEDY FOR LOSS OR DAMAGE TO ANY AIRCRAFT.

13 LIMITATION OF LIABILITY, DAMAGES

SELLER'S AGGREGATE LIABILITIES TO BUYER ARISING OUT OF OR RELATING TO ANY PRODUCTS PURCHASED HEREUNDER SHALL NOT EXCEED THE PURCHASE PRICE ACTUALLY RECEIVED BY SELLER FOR THE PRODUCTS AT ISSUE. SELLER SHALL NOT BE LIABLE FOR INCIDENTAL, SPECIAL, CONSEQUENTIAL, PUNITIVE, INDIRECT OR REMOTE DAMAGES, INCLUDING LOSS OF PROFITS OR LOSS OF USE, OR FOR EXEMPLARY OR OTHER SPECIAL DAMAGES, HOWEVER STYLED, WHETHER ARISING UNDER THIS AGREEMENT OR OTHERWISE. BUYER HEREBY AGREES ITS EXCLUSIVE REMEDIES ARE SET FORTH IN THIS AGREEMENT.

14 GOVERNMENTAL REGULATIONS

Shipment and delivery are subject to any United States or foreign legal requirements, which may prevent, delay or interfere with fulfillment of an Order. Buyer and Seller shall comply with all applicable United States and foreign laws and regulations governing the import and/or export or re-export of all Product(s), including without limitation the U.S. Export Administration Regulations, the International Traffic in Arms Regulations and any regulations administered by the Department of the Treasury's Office of Foreign Assets. Without limiting the generality of the foregoing, Buyer will not export or re-export, directly or indirectly any of the Product(s) to any country restricted by the United States, unless with the prior consent of Seller or the Department of the Treasury's Office of Foreign Affairs.

15 INDEMNITY

Buyer hereby indemnifies and holds Seller harmless in the event of any claim, demand, suit, cause of action, proceeding, award, judgment or liability against Seller, including, without limitation, attorneys' fees, based upon, arising out of or in any way related to: any negligent act or omission by Buyer or any of its agents, contractors, servants or employees, including without limitation, (1) claims that the Product(s) failed to meet any specification provided by the Buyer and, (2) claims arising out of Buyer's non-compliance with any applicable governmental law or regulation with respect to the export, re-export or importation of the Product(s). For purposes of this Agreement, "claims" shall include, but not be limited to litigation or arbitration.

16 GOVERNING LAW

These Terms and Conditions of Sale shall be governed by and construed in accordance with the substantive law of the State of Arizona, without reference to its conflicts of law rules and specifically excluding the provisions of the 1980 U.N. Convention on Contracts for the International Sale of Goods. Venue for any dispute hereunder shall lie in the state and federal courts of Phoenix, Arizona.

AmSafe

1043 NORTH 47th AVENUE
PHOENIX, AZ 85043
PH (602)850-2850 FAX (602)850-2812

SHIPPER/CERTIFICATION



CUSTOMER NO.	SALES ORDER NO.	BOL NO.	DATE PRINTED	PAGE NO.
10006113	S368183	000471333	10/16/17	1

DART AEROSPACE
1270 ABERDEEN STREET
HAWKESBURY
HAWKESBURY, ON K6A 1K7
Canada

DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY,, ON K6A 1K7
Canada

Ship to ID: 10006125

CUSTOMER ORDER NO.	TERMS	FREIGHT	SHIP VIA	F.O.B.
PO37846	NET30	COLLECT	FedEx Intl Economy	ORIGIN

Sales Order Remarks: 1517-9324-0

Remarks:

QUALITY CLAUSES:

A004, A005, A012, A016, A017, A026, A040,

A041, A042, A043

DART HOLDS STC CERTIFICATE AND IS ALLOWED TO PURCHASE NON PMA PARTS

SHIPMENT REFERENCE 000471333

LINE	ITEM NUMBER / DESCRIPTION	DRAWING AND CERTIFICATIONS	DUE DATE	QTY ORDERED	QTY SHIPPED	QTY BACK ORDERED
1	4181-2-211-2396 REST SYS ASSY W/IR	DRAWING: 4181 REV: T CERT: TSO-C114 Lot/Serial Numbers Shipped Quantity S368183-1 4.0	2017-10-16	4 Expire Ref.	4 4	0

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I certify that the article(s) listed above conform to all applicable design data, and (as applicable):

FAA PMA, FMVSS 209, FMVSS 302, 14 CFR 25.853

FAA TSO C22f, C22g, C114 or TSO Plus

The conditions and tests required for TSO approval of the article(s) are minimum performance standards. It is the responsibility of those installing the article(s) either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the standards applicable to the TSO article including (when applicable) the integrated non-TSO function. The non-TSO function is described as the seat belt airbag system including the inflator cable assembly and electrical components that have not been evaluated for functionality or installation requirements. TSO articles including the integrated non-TSO function must have separate approval for installation in an aircraft. The article(s) may be installed only if performed under 14 CFR part 43 or the applicable airworthiness requirements. Product shipped meets all material, processing and test requirements. Certifications/Test reports as applicable are retained on file at AmSafe Aviation.

AmSafe Authorized Signature: X

Printed Name:

Jesse Ochoa
Jesse Ochoa

OCT 16 2017
Dated: ___/___/___

COUNTRY OF ORIGIN USA

